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that position.

and fair-minded judge.

or als native city-Chicago

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Occupies block, Randolph, Wash-

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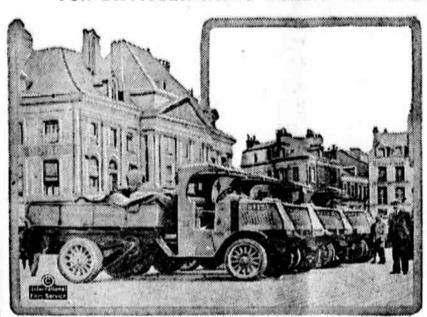
Appellate Court-Branch 1. William H. McSurely, Wilham E. Dever, Jasse Holdom

John P. McGoorty.

R. 1400, Michigan Blvd. Building. Branch 2. Charles A. McDonald,

Dixon C. Williams, the well known anufacturer, deserves well at the hands of the Democratic party. He 4

UNCLE SAM TRAINED 75,000 DRIVERS FOR DIFFICULT TASKS DURING THE WAR



United States Motor Transports Used in Carrying Supplies to Front in

the war the motor transport corps trained drivers of motortrucks, cars and motorcycles.

Of this great force, only about half men to train 75,000 men to drive automotive vehicles.

The ammunition trains, supply torized units which first went overseas were composed of trained drivers, as a rule. Those who came after were the men who did not know cars, engines, or any of the problems of rush of men for the army had therefore to be trained from the very beginning to know the machine, and R. 325, 3rd floor, County Building. then to know the problems of driving in formation on military roads.

Big Problems Presented. The two big phases were the teaching of the mechanism of the truck engine-I say truck because this was by far the more vital part of the training of driving in military forma-

tions of huge fleets of trucks. Now that the war is over the problem of teaching the mechanism of the man who went into the corps was machine is by far the more important given a thorough training in the operato the commercial truck operator. As tion of the motor vehicles, and while to the military formation required in the Camp Johnston school was workthe army, this can be disposed of ing out truck discipline enormous re-

the problem of mass operations with trucks was of minor importance. The over in the West there were such drivers went forward with some sem- units as at San Antonio. These were blance of military formation, with mechanical organizations for repair

When Uncle Sam's armies finished; with some attempt at military cohesion. The truck work, however, was comprised a force of roughly 150,000 more or less of a problem of every man to drive his own machine,

New System Developed. When the American army reached were trained drivers when they en- France, with the greatly restricted listed for the service, so it was neces- area of operation, the shorter dissary in order to have this force of tances for ordinary hauls, and the intense congestion of the roads, it was necessary to develop a military precision in handling of trucks, before trains, sanitary trains and casual mo- that unheard of. The French transport was first to develop this precision, and Its vital need was shown in the British offensive on the Aisne in 1917, when the enormous number of over 5,300 trucks moved an entire driving, particularly such problems as British corps in military formation driving over roads under shell fire or into the fighting line. Such a column with the great congestion of the roads meant nearly 100 miles of length for to the fighting zone in France. The the train. And to have this body of men who came in the second great trucks operating properly the strictest discipline was required.

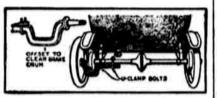
This truck discipline was first systematized on the French lines by work and experiments at Camp Johnson, Fla., near Jacksonville, the mother school of the motor transport corps, and was soon developed into book form and standardized for the army.

Thorough Training Given. To the commercial truck operator, however, the work done to train the drivers in the handling of their vehicles was far more important. Every pair and shop units were in full op-On the Mexican border, and with eration in other parts of the country. the Pershing expedition into Mexico, Such, for instance at Camp Holabird, near Baltimore, and at Atlanta, while certain distances between trucks, and work and for shop training.

EMERGENCY WHEEL FOR AUTO

Device, Mounted on Axle, Can Be Readily Attached to Disabled Cars by Clamps,

For the garageman who encounters road jobs that necessitate towing in a car with a broken wheel or axle, an emergency wheel, such as is used by one suburban repair shop, is not only adaptable to most any kind of car, electric, gasoline, or steam, but is



Special Axle, Can Be Readily Attached to the Disabled Car.

quickly made up of discarded materials with but little work, says. Popular Mechanics.

ness, thoroughness and attractiveness The wheel is of the regular automothroughout, and for the great product bile type with a 34 by 4-inch pneumatic tire, this size being suitable for use on both large and small cars. The axle is either a broken front axle or Judge Chartes A. McDonald is make a short section of a strong steel beam. ing a splendid record on the Superior The emergency axle is bent or Court bench. He is a conscientious dropped, the offset being necessary to clear the axle-housing flange or brake drum. The device is attached by means of two U-shaped clamps and nuts. The sketch shows the general ear, is in the front cank of boomers appearance and manner of attaching the emergency wheel to the rear exte of a car, but it may also be used in Fred W. Upham would make a front, as the clamps are easily shifted. splendid United States Senator if he

TO SILENCE RATTLING RODS

Noise Made Is Source of Much Annoyance to Occupants of Car-Way to Remedy Trouble.

Where long rods of small dlameter are used for brake connections, and so forth, particularly on the smaller cars, the rattle and chattering they make is a source of constant annovance. There is an easy way, however to put a stop to these noises. A coll spring one-half inch to an inch it diameter should be firmly attached at one end to the middle of each rod and the other end extended under tension to the frame side member or some other er convenient point for anchorage. The tension on these springs will hold the rods rigid and prevent vibration and noise.

RULES FOR RADIATORS

The radiator takes so little care that we are likely to give it even less than it requires. Here is a simple rule which will give

good results: 1. Keep it full, especially with a thermo-syphon cooling system. The less the water, the less the cooling effect and the worse for

the motor by overheating. 2. Keep it full when using alcohol in winter. The smaller the volume of mixture, the sooner it

bolls and evaporates. 3. Keep it full.

TO PROPERLY CUT GASKETS

Pian Which Will Be Found Convenient for Owners of Cars-Frayed Edges Avoided

Everyone who owns a car has had difficulty with cutting gaskets. Try this method the next time: Put the material-asbestos, felt, paper, etc .over the hole for which it is being cut. Take 'a ball-head hammer and place it on the material over the hole. Then tap this first hammer gently with another hammer, and the gasket can be cut without the frayed edges that are so annoying.

KEEP WHEELS IN ALIGNMENT

When Car Has Suffered Bump or Crash Against Curb Wheels Should Be Tested at Once.

Whenever the car has suffered a bump of any kind, a crash against the curb or anything of the sort, the wheels should immediately be tested for alignment, as a beng of this kind is quite enough to force them out of correct alignment, which will lead to excessive wear.

DIL WILL SILENCE SQUEAKS

if in Hurry to Stop Noise Pour Little Kerosene Over Spring and Shake Car.

If in a hurry to stop a spring from meaking, pour a little kerosene over guiding the oll down the sides with the finger so that it will run between the leaves. Wipe off the excess. Pour cylinder oil over the springs the same way. Now shake the car so the oil will be drawn in and find the squeak.

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Facts about the Santary District and drain The main and water power chap nel is 40 miles long. Length of river, lake to Rober

street, 6 miles. Length river diversion channel, 18 miles. Width main channel, Robey street

o Summit: Bottom, 110 feet; top, 198. Width main channel, Summit to

Willow Springs Bottom, 202 feet; top, 290. Width main channel, Willow Springs to Lockport (rock section): Bottom,

160 feet; top. 162. Width river diversion channel: Bot-

tom, 200 feet. Minimum depth of water in main channel, 22 feet. Current in earth sections, 1 1-4 miles per bour.

Current in rock sections, 1.9 miles per hour. Present capacity of canal, 200,600 cubic feet per minute.

Total amount of excavation, 42,239, 635 cubic yards. The north shore channel, extending

from Lawrence avenue to Lake Michigan, in the village of Wilmette, is about 8 miles long with a water depth of 18.6 feet. Construction of the Sag canal to

drain the Calumet region was begun in the summer of 1911. Sag channel will be 12 miles long when work is finished.

Richard M. Hennessey, the well known building contractor, has an honored record for ability and offi-

K. G. Schmidt & Son have opened their new subdivision in North Edgewater. It is located to the southeast corner of Fairfield and Devon avenues-one of the most beautiful and accessible of locations.

Professor M. J. Dwyer, whose splendid gymnasium is on the nineteenth floor of the Continental and Commercial Bank building, has a great clientage among the solid men of Chicago. Business and professional men of standing and fame are among his best pleased patrons.

F. William Morf, with the big and well-known South Water street house of C. H. Weaver & Co., is one of the most popular men in the vegetable and fruit trade.

Robert R. Jampolls would make a great judge.

Secretary of State Louis L. Emmerson is making a fine record and many friends by the able and efficient manner in which he conducts his great

Gus A. Berkes for many years proprietor of the North Side Turner Hall is now distributor for Pom-Roy, a pure apple wine of the Champagne type.

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